

CLAIMS

1. A process for validating at least one specifications for part, where the at least one specification provides instructions for the fabrication of the part, the process comprising the steps

5 of:

receiving a selection of a part to display;

presenting the selected part;

receiving a selection of a feature of the selected part to review;

10 presenting the specification associated with the selected feature, where the associated specification provides information about the selected feature;

presenting a authorization frame comprising a validation button and a rejection button, where the authorization frame is associated with the specification; and

15 receiving an authorization selection from the user, where the authorization selection is based on the selection of one of the validation button and the rejection button.

2. The process according to claim 1, where the selected part is presented as a three-dimensional representation of the part intended for fabrication.

3. The process according to claim 1, where the selected part is presented as a two-dimensional representation of the part intended for fabrication.

4. The process according to claim 1, where the authorization signal associated with the validation button further comprises a digital signature of the user.

20 5. The process according to claim 1, wherein the part comprises a plurality of features each having a specification associated with that feature, and further comprising the steps of:

receiving an authorization selection from the user for each the plurality of specifications; and

25 designating the part based on the authorization selections received from the user.

6. The process according to claim 5, where the designation of the part further comprises a digital signature of the user.

7. The process according to claim 1, wherein the user is responsible for approving the correctness of specifications.

8. The process according to claim 1, wherein the user is a fabrication vendor tasked with manufacturing the part, such that validating the specification indicates that the fabrication vendor understands the design and the manufacturing intent of the designer.

5 9. The process according to claim 8, where the validation of the specification further comprises a digital signature of the fabrication vendor.

10. A system for validating at least one specifications for part, where the at least one specification provides instructions for the fabrication of the part, the system comprising:

means for storing files containing data related to at least one part and the at least one specification for the part;

10 means for receiving, where the means for receiving receives:

a) a selection of a part to present; and

b) a selection of a feature of the part;

means for presenting, wherein the means for presenting presents:

a) a representation of the selected part;

15 b) the specification associated with the selected feature, where the associated specification provides information about the selected feature; and

c) an authorization frame comprising a validation button and a rejection button, where the authorization frame is associated with the specification;

means for processing the received instructions; and

20 wherein the means for receiving receives an authorization selection from the user, where the authorization selection is based on the selection of one of the validation button and the rejection button.

11. The system according to claim 10, where the representation of the selected part is a three-dimensional representation of the part intended for fabrication.

25 12. The system according to claim 10, where the representation of the selected part is a two-dimensional representation of the part intended for fabrication.

13. The system according to claim 10, where the authorization signal associated with the validation button further comprises a digital signature of the user.

30 14. The system according to claim 10, wherein the part comprises a plurality of features each having a specification associated with that feature, and wherein:

the receiving means further receives an authorization selection from the user for each the plurality of specifications; and

the processor designates the part based on the authorization selections received from the user.

5 15. The system according to claim 14, where the designation of the part further comprises a digital signature of the user.

10 16. The system according to claim 10, wherein the user is responsible for approving the correctness of specifications.

10 17. The system according to claim 10, wherein the user is a fabrication vendor tasked with manufacturing the part, such that validating the specification indicates that the fabrication vendor understands the design and the manufacturing intent of the designer.

15 18. The system according to claim 17, where the validation of the specification further comprises a digital signature of the fabrication vendor.

15 19. A medium storing code for causing a processor to validate at least one specifications for part, where the at least one specification provides instructions for the fabrication of the part, the medium comprising:

20 code for causing a receiver to receive a selection of a part;

code for causing a processor to present the selected part;

code for causing the receiver to receive a selection of a feature of the part to review;

code for causing the processor to present the specification associated with the selected feature, where the associated specification provides information about the selected feature;

code for causing the processor to present a authorization frame comprising a validation button and a rejection button, where the authorization frame is associated with the specification; and

25 code for causing the receiver to receive an authorization selection from the user, where the authorization selection is based on the selection of one of the validation button and the rejection button.

20 20. The medium according to claim 19, where the selected part is displayed as a three-dimensional representation of the part intended for fabrication.

30 21. The medium according to claim 19, where the selected part is displayed as a two-dimensional representation of the part intended for fabrication.

22. The medium according to claim 19, where the authorization signal associated with the validation button further comprises a digital signature of the user.

23. The medium according to claim 19, wherein the part comprises a plurality of features each having a specification associated with that feature, and further comprising:

5 code for causing the receiver to receive an authorization selection from the user for each the plurality of specifications; and

code for causing the processor to designate the part based on the authorization selections received from the user.

24. The medium according to claim 23, where the designation of the part further comprises a 10 digital signature of the user.

25. The medium according to claim 19, wherein the user is responsible for approving the correctness of specifications.

26. The medium according to claim 19, wherein the user is a fabrication vendor tasked with manufacturing the part, such that validating the specification indicates that the fabrication vendor 15 understands the design and the manufacturing intent of the designer.

27. The medium according to claim 26, where the designation of the part further comprises a digital signature of the fabrication vendor.

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